



Desensitization for Unexpended and Waste Fireworks

Research and Development Forum
January 17, 2014
Dr. Richard Tarr
PHMSA





PHMSA's R&D Waste Fireworks

- Goals:
 - Research to understand current practices used to handle waste fireworks;
 - This should include Used, Manufacturing and Storage.
 - What are the majors sources of “waste” fireworks?
 - Assess best practices for handling waste fireworks; and
 - This is for each situation, considering risk and cost.
 - Research new ideas for handling waste fireworks.
 - Vacuum and Soak treatment.





Background

- Millions of pounds of “waste” fireworks exist in the system.
- When handled incorrectly people die (Hawaii, CSB investigation). What was learned for Hawaii?





**CSB Report says Honolulu Fireworks Disposal Explosion
that Killed Five Workers Resulted from Unsafe Practices,
Lack of National Guidelines**





Background

- No best practices have been established by PHMSA.
- We know of the problem but we have failed to address the issue.
- Every 4th of July thousands of pounds of damaged fireworks are collected, but no regulations are in place to permit legal transportation.





Expected program outcomes

- To establish the best method or methods for handling “waste” fireworks from various sources and situations:
 - Confiscated products
 - Non complaint products/ improperly classed products
 - Un classified products
 - Damaged products.
 - Manufacturer’s waste.

